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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/811,897	03/19/2001	Kiyoshi Yamaura	09792909-4813	7625	
26263	7590 02/02/2004		EXAM	EXAMINER	
SONNENSCHEIN NATH & ROSENTHAL LLP			YUAN, DAH WEI D		
P.O. BOX 06	51080				
WACKER DRIVE STATION, SEARS TOWER			ART UNIT	PAPER NUMBER	
CHICAGO,	IL 60606-1080	1745			
			DATE MAILED: 02/02/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

\mathcal{L}^{r} :	Application No.	Applicant(s)				
	09/811,897	YAMAMUA .				
Office Action Summary	Examiner	Art Unit				
*	Dah-Wei D. Yuan	1745				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be to within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDON	imely filed ays will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on 24 No	ovember 2003.					
2a) This action is FINAL . 2b) ☐ This	action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims		•				
4) ⊠ Claim(s) 1 and 2 is/are pending in the applicati 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1 and 2 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the	drawing(s) be held in abeyance. So	ee 37 CFR 1.85(a).				
·	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Offic	e Action or form PTO-152.				
Priority under 35 U.S.C. §§ 119 and 120						
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list 13) Acknowledgment is made of a claim for domestic since a specific reference was included in the first 37 CFR 1.78. a) The translation of the foreign language pro 14) Acknowledgment is made of a claim for domestic reference was included in the first sentence of the specific reference was included in the first sentence of the specific reference was included in the first sentence of the specific reference was included in the first sentence of the specific reference was included in the first sentence of the specific reference was included in the first sentence of the specific reference was included in the first sentence of the specific reference was included in the first sentence of the specific reference was included in the first sentence of the specific reference was included in the first sentence of the specific reference was included in the first sentence of the specific reference was included in the first sentence of the specific reference was included in the first sentence of the specific reference was included in the specific reference was incl	s have been received. s have been received in Applica rity documents have been receiv u (PCT Rule 17.2(a)). of the certified copies not receiv c priority under 35 U.S.C. § 119 st sentence of the specification of evisional application has been receiviority under 35 U.S.C. §§ 12	tion No ved in this National Stage ved. (e) (to a provisional application) or in an Application Data Sheet. eceived. 0 and/or 121 since a specific				
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) D Notice of Informal	ry (PTO-413) Paper No(s) Patent Application (PTO-152)				
S. Patent and Trademark Office						

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Application/Control Number: 09/811,897

Art Unit: 1745

NON-AQUEOUS ELECTROLYTE CELL

Examiner: Yuan

S.N. 09/811,897

Art Unit: 1745

January 22, 2004

Continued Examination Under 37 CFR 1.114

- 1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on November 24, 2003 has been entered. Claim 1 was amended. Claims 3-5 were cancelled.
- 2. The text of those sections of Title 35, U.S.C. code not included in this action can be found in the prior Office Action issued on May 20, 2003.

Specification

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

4. The claim rejections under 35 U.S.C. 102(e) as anticipated by Negoro et al. on claims 1-5 are withdrawn, because the independent claim 1 has been amended. The claim rejections under 35 U.S.C. 102(e) as anticipated by Kihira et al. on claims 1-5 are withdrawn, because the independent claim 1 has been amended.

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5. Claims 1-2 are rejected under 35 U.S.C. 102(e) as being anticipated by Dahn et al. (US 6,168,887 B1).

Dahn et al. teach a non-aqueous electrolyte battery comprising a positive electrode, a negative electrode and a non-aqueous electrolyte interposed between the positive and negative electrode. The positive electrode active material includes $Li_x(Mn_{1-y}M_y)O_{2+z}$ wherein 0.5 < x < 1.3, y is $0 \le y < 0.4$, z is -0.5 < z < 0.5 and M is a 3d transition metal, aluminum or lithium and admixtures thereof. In one embodiment, 1M of LiPF₆ in 33% ethylene carbonate (EC) and 67% diethyl carbonate (DEC) is used as the electrolyte. See Column 3, Lines 25-20; Example 4. It is noted that claim 1 is a product-by-process claim. "Even though product-by-process claims are limited by and defined by the process, determination of patentability is based on the product itself. The patentability of a product does not depend on its method of production. If the product in the product-by-process claim is the same as or obvious from a product of the prior art, the claim is unpatentable even though the prior product was made by a different process." In re

Thorpe, 777 F. 2d 695, 698, 227 USPQ 964, 966 (Fed. Cir. 1985). Since Dahn's actual positive electrode active material is similar to that of the Applicant's, Applicant's process is not given patentable weight in this claim.

With respect to claim 2, it is the position of the examiner that such spatial group is inherent, given that the compound in both Dahn et al. and the present application having similar chemistry. A reference which is silent about a claimed invention's features is inherently anticipatory if the missing feature is necessarily present in that which is described in the reference. In re Robertson, 49 USPQ2d 1949 (1999).

Response to Arguments

6. Applicant's arguments filed on November 24, 2003 have been fully considered but they are not persuasive.

Applicant's principle arguments are

Dahn et al. disclose the use of Mn_2O_3 , Li_2CO_3 , Co_3O_4 and Na_2CO_3 as the starting materials, which are different from the ones recited in claim 1.

In response to Applicant's arguments, please consider the following comments.

The recitation "said positive electrode comprising a material resulting from a mixture of manganese starting material, γ-MnO₂, a lithium starting material, Li₂CO₃, and an aluminum starting material, Al(OH)₃, to form a powder mixture heated in air at a temperature rising rate of 10°C/min to 1000°C" in claim 1 is a process limitation. Since Dahn's final positive electrode active material is similar to that of the Applicant's, Applicant's process is not given patentable weight in this claim.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dah-Wei D. Yuan whose telephone number is (571) 272-1295. The examiner can normally be reached on Monday-Friday (8:00-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan, can be reached on (571) 272-1292. The fax phone numbers for the

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organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and After Final communications.

Dah-Wei D. Yuan January 22, 2004 Delive /